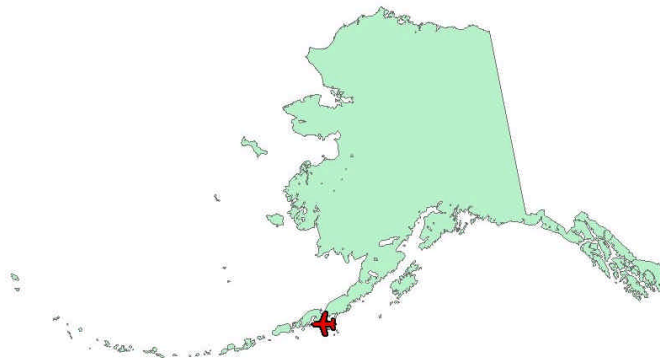




SAND POINT AIRPORT



2004 Alaska Airport Pavement Condition Report

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Maps and report compiled by
 H. June Finkbiner
 Central Region Materials, Alaska DOT&PF

SAND POINT MUNICIPAL AIRPORT - 2004

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey – PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of January 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

Airport Information:

- Location:
Sand Point Airport is located on Popov Island, just south of the Alaska Peninsula. It is a Commercial Airport primarily serving passenger, cargo and charter airplanes.
- District: Southwest, Central Region
- Airport Manager: Harold L. Kremer III (Happy)
- District Maintenance Manager: Troy Larue
- Pavement Surface: Asphalt Concrete
- Last Pavement Construction: 2003
- Pavement layout:
The Runway is designated as 13-31 with asphalt concrete pavement measuring 4000' x 150'. Taxiway A and Taxiway B provide access to the Apron. Taxiway C is an Apron Taxilane. It is maintained under contract.
- Design Aircraft: B-737
- 2003 Enplanements: 3,978, up 10% from 2002.
- Airport Class: Non-Primary
- Last pavement condition survey: 2004
conducted by Angela Parsons and Roy Stover of Central Region Materials
- Next planned pavement condition survey: 2007
- 2004 reported pavement maintenance and/or changed conditions: No pavement maintenance work was done in 2004. An airport improvement project extended the runway to the west and repaired depressions on the apron in 2003. An ongoing project will extend the safety areas at each end of the runway in 2005.
- Recommendations: See PCI maps

Date: 9 /27/2004

Branch Condition Report

1 of 2

Pavement Database: NetworkID: Sand Point

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
100 (Taxiway A)	1	312.00	75.00	30400.00	TAXIWAY	62.00	0.00	62.00
200 (Taxiway B)	1	286.00	75.00	25700.00	TAXIWAY	63.00	0.00	63.00
300 (T/W "C", Apron Taxilane)	1	1413.00	75.00	105975.00	TAXIWAY	56.00	0.00	56.00
4100 (Apron)	2	1670.00	310.00	475295.01	APRON	79.00	14.00	67.30
6100 (Runway 13 - 31)	7	12735.00	107.14	1095250.03	RUNWAY	85.00	12.24	70.16

Date: 9 /27/2004

Branch Condition Report

2 of 2

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	2	475295.01	79.00	14.00	67.30
RUNWAY	7	1095250.03	85.00	12.24	70.16
TAXIWAY	3	162075.00	60.33	3.09	58.24
All	12	1732620.04	77.83	15.14	68.26

Date: 9 /27/2004

Section Condition Report

1 of 2

Pavement Database: NetworkID: Sand Point

Branch ID	Section ID	Last Const. Date	Surface	Use	Rank	Lanes	True Area (SqFt)	Last Inspection Date	Age At Inspection	PCI
100 (Taxiway A)	100-01	09/01/1993	AC	TAXIWAY	P	0	30400.00	08/02/2004	11	62.00
200 (Taxiway B)	200-01	09/01/1993	AC	TAXIWAY	P	0	25700.00	08/02/2004	11	63.00
300 (T/W "C", Apron Taxilane)	300-01	09/01/1993	AC	TAXIWAY	P	0	105975.00	08/02/2004	11	56.00
4100 (Apron)	4100-01	09/01/1993	AC	APRON	P	0	436320.01	08/02/2004	11	65.00
4100 (Apron)	4100-02	09/01/1993	AC	APRON	P	0	38975.00	08/02/2004	11	93.00
6100 (Runway 13 - 31)	6100-01	09/01/1993	AC	RUNWAY	P	0	200000.01	08/02/2004	11	88.00
6100 (Runway 13 - 31)	6100-02	09/01/1993	AC	RUNWAY	P	0	600000.02	08/02/2004	11	58.00
6100 (Runway 13 - 31)	6100-03	09/01/1993	AC	RUNWAY	P	0	200000.01	08/02/2004	11	78.00
6100 (Runway 13 - 31)	6100-04	10/15/2003	AAC	RUNWAY	A	0	15000.00	08/02/2004	1	90.00
6100 (Runway 13 - 31)	6100-05	10/15/2003	AAC	RUNWAY	A	0	15000.00	08/02/2004	1	95.00
6100 (Runway 13 - 31)	6100-06	10/15/2003	AC	RUNWAY	P	0	31500.00	08/02/2004	1	95.00
6100 (Runway 13 - 31)	6100-07	10/15/2003	AC	RUNWAY	P	0	33750.00	08/02/2004	1	91.00

Date: 9 /27/2004

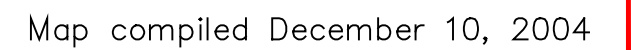
Section Condition Report

2 of 2

Pavement Database:

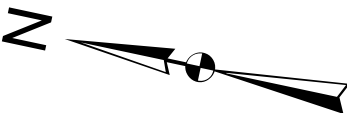
Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
0-02	1.00	95250.00	4	92.75	2.28	92.80
11-15	11.00	1637370.04	8	70.38	13.20	66.83
All	7.67	1732620.04	12	77.83	15.14	68.26

		PAVEMENT STRENGTH SURVEY											
STATE Alaska		CITY	Sand Point	AIRPORT	Sand Point				This is a variation of FAA Form 5320-1-1				
		CONSTRUCTION DATES											
IDENT.	NAME	ORIG.	OVERLAY	CONSTRUCTION AGENCY	SOURCE OF INFORMATION	Existing Pavement Conditions (PCI) at last inspection	Soil Class	Subbase Course	Base Course	Surface Course	Overlay	Pavement Strength	
RUNWAYS													
6100-01	Runway 13-31 Section 1	1993		AK DOT&PF		88				AC		H40	
6100-02	Runway 13-31 Section 2	1993		AK DOT&PF		58				AC		H40	
6100-03	Runway 13-31 Section 3	1993		AK DOT&PF		78				AC		H40	
6100-04	Runway 13-31 Section 4	1993	2003	AK DOT&PF		90				AC		H40	
6100-05	Runway 13-31 Section 5	1993	2003	AK DOT&PF		95				AC		H40	
6100-06	Runway 13-31 Section 6	2003		AK DOT&PF		95				AC			
6100-07	Runway 13-31 Section 7	2003		AK DOT&PF		91				AC			
TAXIWAYS													
100-01	Taxiway A	1993		AK DOT&PF		62				AC			
200-01	Taxiway B	1993		AK DOT&PF		63				AC			
300-01	Taxiway C	1993		AK DOT&PF		56				AC			
APRONS													
4100-01	Apron Section 1	1993		AK DOT&PF		65				AC			
4100-02	Apron Section 2	1993	2003	AK DOT&PF		93				AC			
REMARKS:													
Another pavement rehabilitation project is planned for construction in 2005. It will involve overlaying the existing runway, taxiways and apron as well as some more runway safety area extension and widening.													
This airport serves Boeing 737-200 class and smaller aircraft													
AC = Asphalt Concrete													
Date of Site Inspection:		8/2/2004		Evaluated By:		S. Gartin		11/29/2004					PAGE 1 of 1



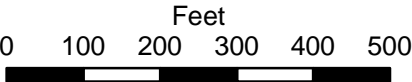
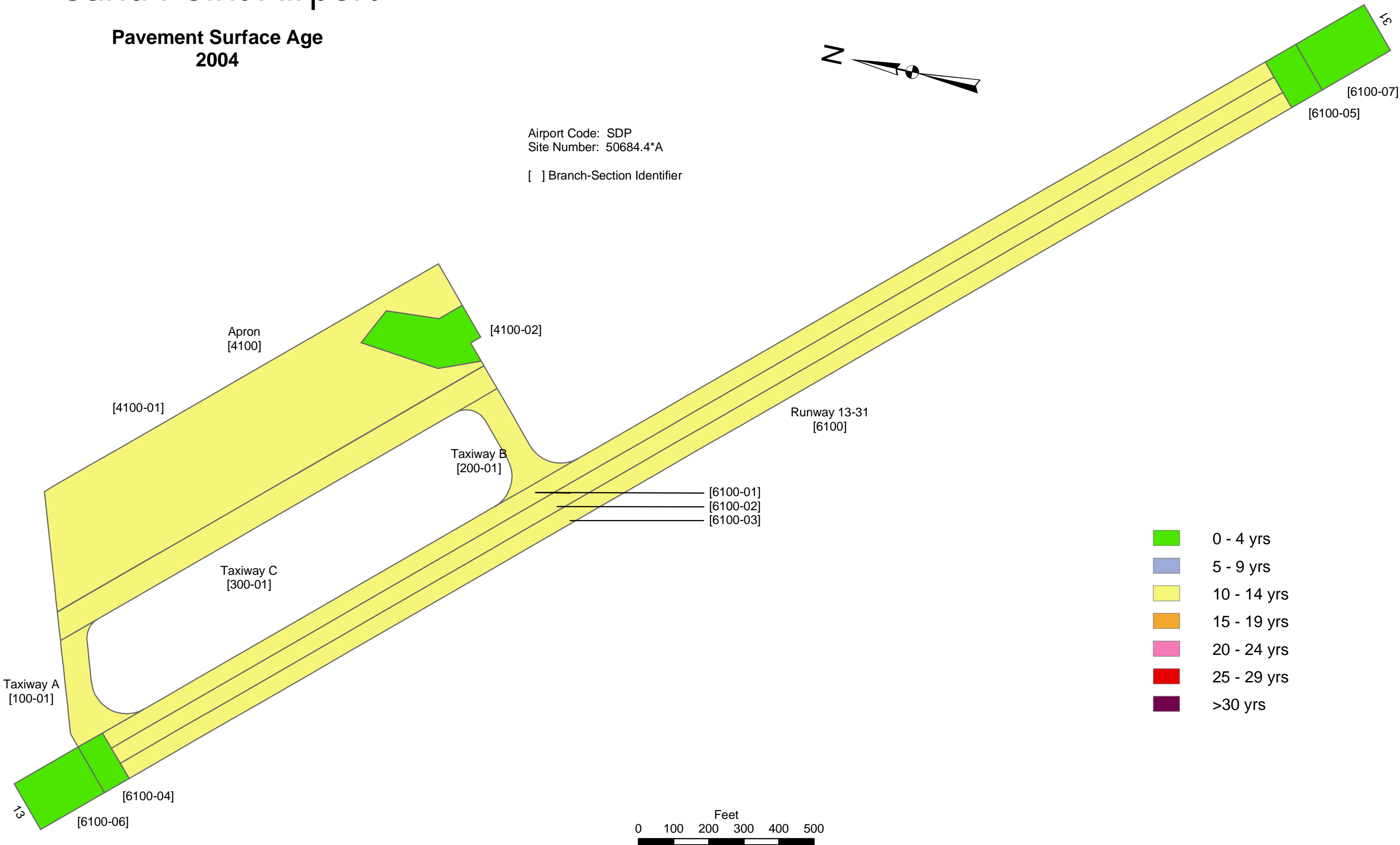
Sand Point Airport

Pavement Surface Age
2004



Airport Code: SDP
Site Number: 50684.4*A

[] Branch-Section Identifier

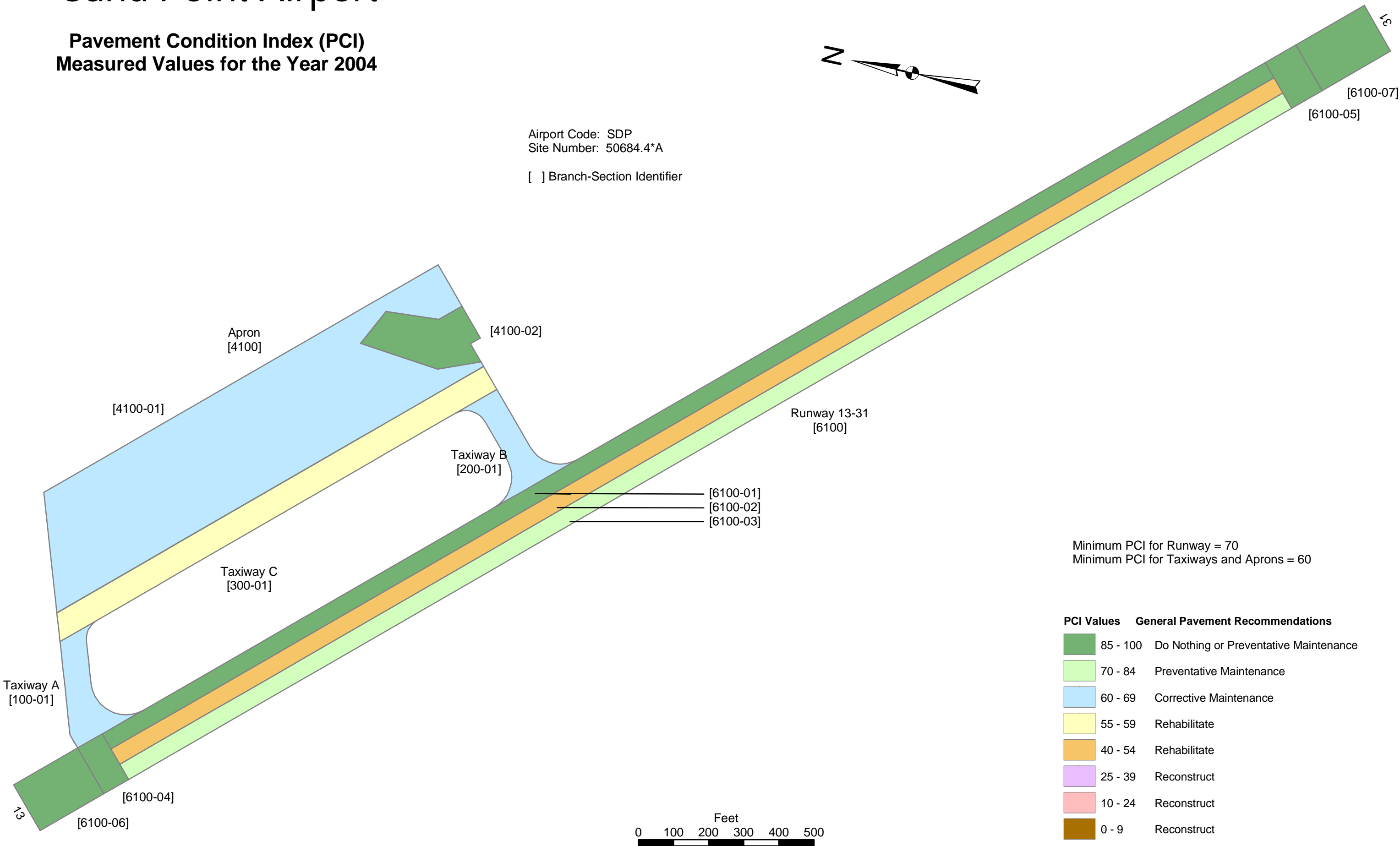
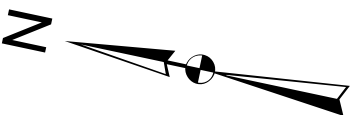


Sand Point Airport







Pavement Condition Index (PCI) Measured Values for the Year 2004

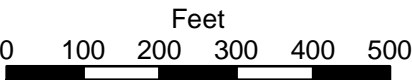
Airport Code: SDP
Site Number: 50684.4*A

[] Branch-Section Identifier



Minimum PCI for Runway = 70
Minimum PCI for Taxiways and Aprons = 60

PCI Values	General Pavement Recommendations	
	85 - 100	Do Nothing or Preventative Maintenance
	70 - 84	Preventative Maintenance
	60 - 69	Corrective Maintenance
	55 - 59	Rehabilitate
	40 - 54	Rehabilitate
	25 - 39	Reconstruct
	10 - 24	Reconstruct
	0 - 9	Reconstruct

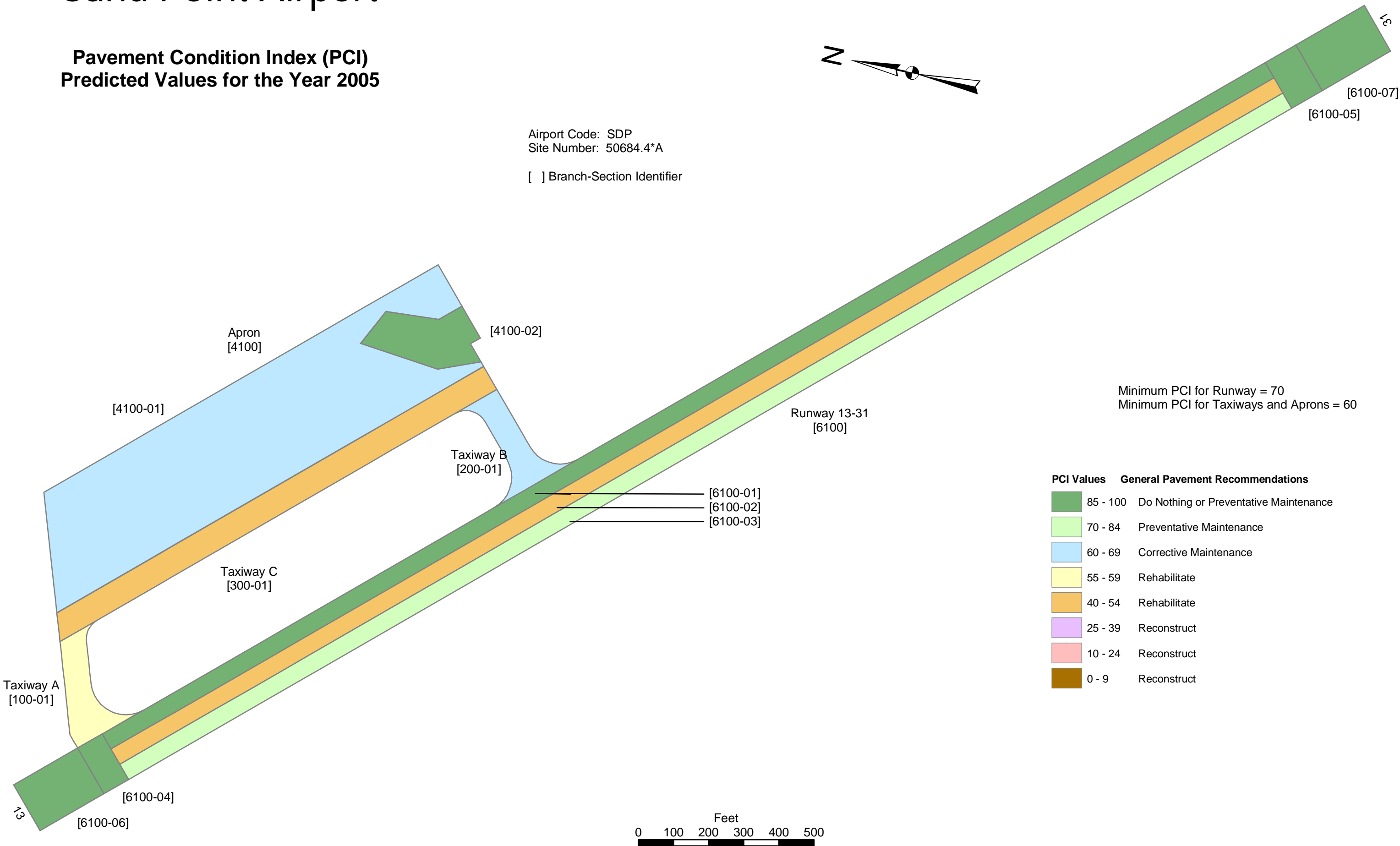
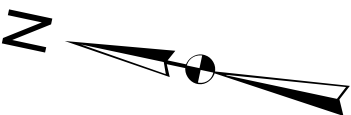


Sand Point Airport

Pavement Condition Index (PCI) Predicted Values for the Year 2005

Airport Code: SDP
Site Number: 50684.4*A

[] Branch-Section Identifier

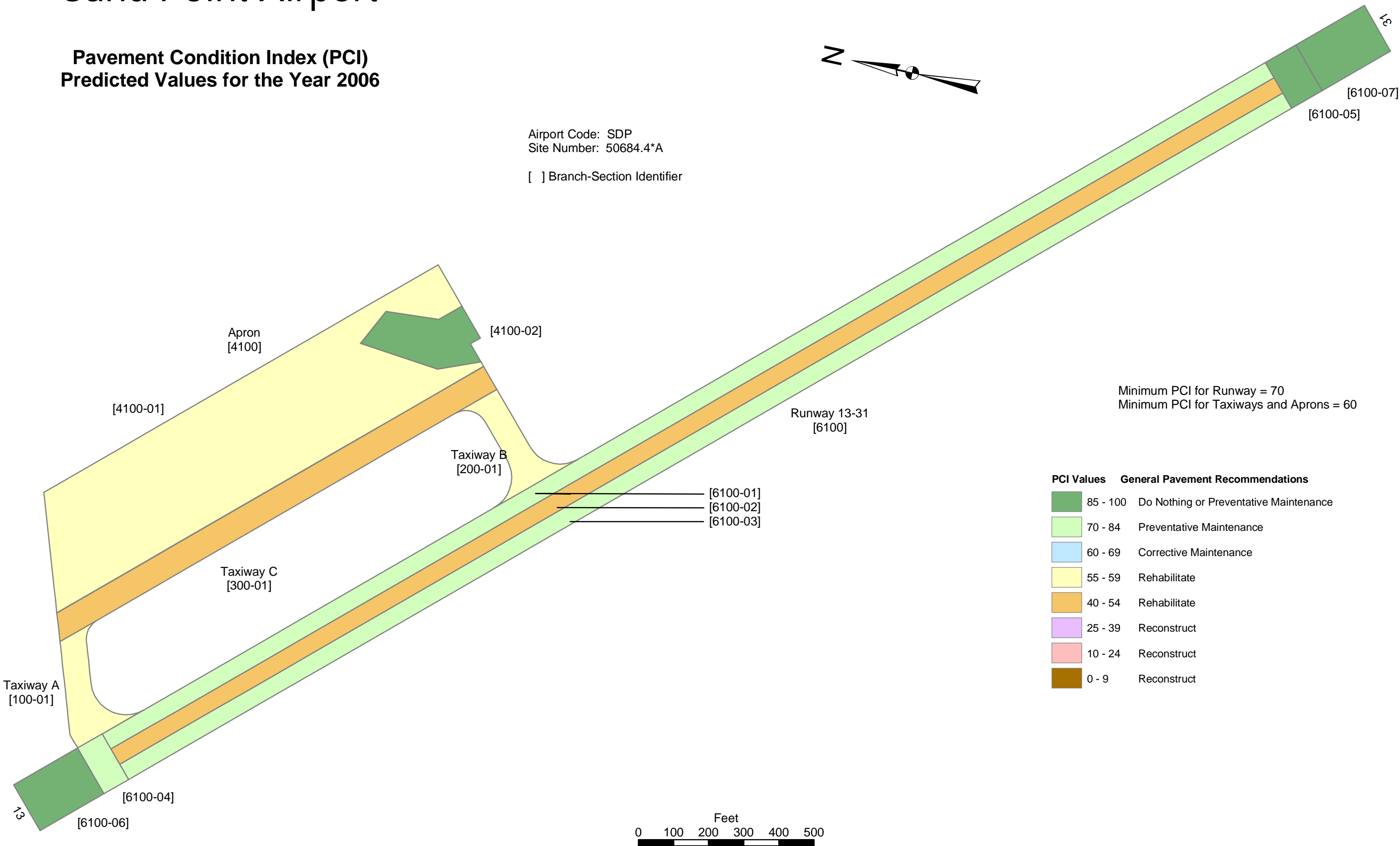
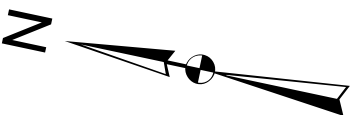


Sand Point Airport

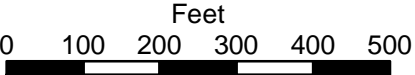
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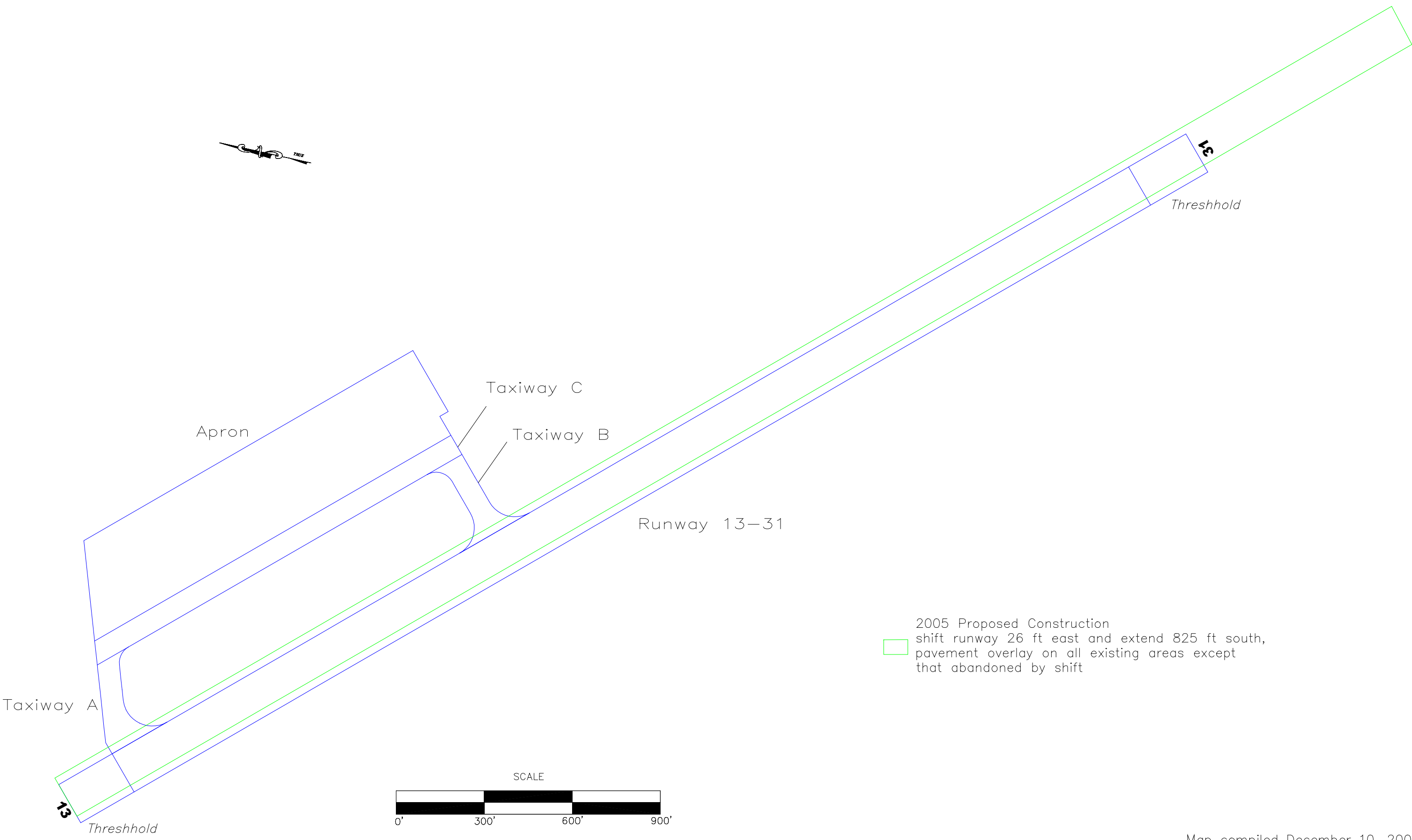
Airport Code: SDP
Site Number: 50684.4*A

[] Branch-Section Identifier



PCI Values		General Pavement Recommendations
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70 - 84	Preventative Maintenance	
60 - 69	Corrective Maintenance	
55 - 59	Rehabilitate	
40 - 54	Rehabilitate	
25 - 39	Reconstruct	
10 - 24	Reconstruct	
0 - 9	Reconstruct	





2005 Proposed Construction
shift runway 26 ft east and extend 825 ft south,
pavement overlay on all existing areas except
that abandoned by shift